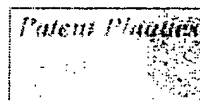




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JP8224240A2: FLUORESCENT DIAGNOSING DEVICE

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Country: **JP** Japan
 Kind:
 Inventor(s): **KANEKO MAMORU
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 Applicant(s): **OLYMPUS OPTICAL CO LTD**
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 Issued/Filed Dates: **Sept. 3, 1996 / Feb. 22, 1995**
 Application Number: **JP1995000033996**
 IPC Class: **A61B 10/00; A61B 10/00; A61B 1/06; G01N 21/64;**

Abstract: **Purpose:** To provide a fluorescent diagnosing device capable of measuring the fluorescent spectrum of a lesion part without generating bleeding in endoscopic fashion and performing the viable inspection of lesion tissue more surely than ever.
Constitution: Cups 7a, 7b for vital inspection are provided at the tip of a lengthy coil sheath 14 insertible to the channel of an endoscope, and they are opened/closed by the operation of a hand side operating part via an operating wire 11. Optical fibers 3 whose tip faces 3A are mounted on the feet of the cups 7a, 7b are inserted to the coil sheath 14, and their rear terminals are connected to an analyzer 4, and when exciting light from a laser 17 is transmitted and the cups 7a, 7b are opened, target tissue is irradiated with the exciting light from the tip faces 3A, and also, fluorescence from the target tissue is fetched, and it is inputted to a spectroscope 18 which separates the fluorescence, and it is judged whether a part is a normal part or the lesion part by the analysis of a spectrum waveform by a computer 5, and a result is displayed on a color monitor 6.

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Other Abstract Info: **DERABS G96-450021 DERG96-450021**
 Foreign References: **(No patents reference this one)**



Alternative



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